

**NASA Space Shuttle Program (SSP)
Mission Management Team (MMT) STS-114
Minutes of Meeting
August 6, 2005**

The STS-114 Flight Day 12 (FD12) MMT meeting, chaired by Deputy Manager, SSP, JSC-MA/Wayne Hale, was held August 6, 2005 at 10:00 a.m. Central Time (CT), Johnson Space Center (JSC), Building 30, Room 118. Member organizations supported at JSC and remote sites by video teleconference. Roster sheets for those that participated in this meeting are available. Following are highlights of the issues that were discussed.

A. Introduction – MMT Chairman

Mr. Hale gave a few introductory remarks.

B. Flight Status – Mission Operations Directorate (MOD) Failure Summary

JSC-DA/Bob Castle cited highlights of FD 12 activity as: (1) the undocking, at 2:24 a.m. CT; and (2) a Space Station flyaround, to allow photography before the final separation burn. No new failures with operational impacts were identified.

The presenter concluded the STS-114 mission is proceeding per the nominal timeline, with no MMT decisions required.

C. International Space Station (ISS)

JSC-OA/Scott Gahrning addressed Anomaly Report No. 1089: Observed Floating Potential Probe (FPP) Damage and Foreign Object Damage (FOD) Issue. Images taken during EVA #3 confirmed that a bolt supporting a spacer block had backed out and a handle release button was overextended. ISS S&MA had determined there was low risk of impact for STS-114. The worst case analysis showed that the object would pass the area of concern by approximately 500 feet during the Orbiter undocking and flyaround.

D. Space Shuttle Safety and Mission Assurance (S&MA)

JSC-MX/Don Totton identified three new anomalies to the Risk Matrix (MER-24, -25, and -26). Discussion touched on previously cited Anomaly #22:Port LW Tool Stowage Assembly Latch Not Turning (1R). One of the latches did not engage and a subsequent failure of another latch would cause a hazardous situation. The chairman requested that a plan be in place in case this situation occurs.

E. Integrated Anomalies/Issues Summary

JSC-MS/John Muratore presented the System Engineering and Integration (SE&I) Integrated Anomalies list, located on the MMT website at:

http://sspweb.jsc.nasa.gov/webdata/mmtmeeting/flt/114/050806.1000_D12/12_SEI_JMuratore.pdf

With regard to unexplained debris observed during this morning's undocking, Mr. Muratore indicated that the imagery would be analyzed to look at all critical areas.

F. STS-114 Deorbit and Entry Planning

JSC-DA8/Leroy Cain provided a detailed timeline briefing, that included a consumables status, planned trajectories for end-of-mission (EOM) days 1, 2, and 3, a listing of backup landing sites, and the auxiliary power unit (APU) utilization plan for approach and landing. No issues or concerns were raised.

G. STS-114 Landing Site Summary

KSC-PH/Dennis Gagen discussed landing site facility status for the KSC Shuttle Landing Facility (SLF), Edwards AFB (DFRC), CA, and White Sands, NM, to include range support availability for the August 8th planned landing of STS-114. Of note—should the landing be delayed to EOM+2 (Wednesday, August 10th) a morning conflict with range facility usage at KSC is possible, due to a scheduled Atlas launch.

H. STS-114 Landing Weather

A JSC Spaceflight Meteorology Group (SMG)/Carl Silverman briefed weather conditions for the Monday morning landing at KSC. No weather issues are forecast at either KSC or Edwards AFB, CA for Monday's landing.

I. Management Decisions Summary

No management decisions were made at today's MMT. Mr. Hale polled the MMT and received concurrence that FD12 should proceed as planned.

J. Conclusion

Mr. Hale stated that the next MMT is scheduled for 2:00 p.m. CT, Sunday, August 7, 2005.

Detailed information on all assigned actions for this meeting can be found on the MMT Action log, located on the MMT web site at:

http://sspweb.jsc.nasa.gov/webdata/mmtmeeting/flt/114/050806.1000_D10/Actionlog.pdf

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The MMT web site is available at <http://sspweb.jsc.nasa.gov/mmt/>.

The meeting adjourned at 11:07 p.m. CT.

MMT: August 6, 2005

Minutes Prepared By:

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Minutes Writer	Date

Approvals:

<u>Eddie King</u>	<u>August 6, 2005</u>
MMT Secretary	Date

<u>Michelle P. Lewis</u>	<u>August 6, 2005</u>
Customer Support Room (CSR) Duty Officer	Date

MEETING ATTENDANCE ROSTER

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MEETING TITLE: STS-114 MMT Flight Day 12

LOCATION:

DATE: AUGUST 6, 2005

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